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Call for Papers
Journal of Universal Computer
Science(J.UCS) Special Issue
AI Empowered Big Data Analytics
for Industrial Applications

Abstract

In the modern era of Big Data, there is always an exponential increase in the amount of data being generated and stored in various fields like education, energy, environment, healthcare, fraud, detection, traffic. At the same time, there is a great paradigm shift in business and society across the world due to the huge growth in various fields like artificial intelligence, machine learning, deep learning and data analytics. This poses great challenges for decision-making and creates a potential transformation in areas like economy, government, and industries. Artificial Intelligence tools, techniques and technologies along with Big data improve the predictive power of the systems created which enables the government, public and private sectors to discover new patterns and trends, improves public values like accountability, safety, security and transparency for better decision-making, policies, and governance. They also have numerous capabilities to perform complex tasks which cannot be done by human skills. They could be used to collect, organize and analyze, large, varied data sets to discover patterns and trends which address several problems related to the development of economy by identifying new sources of revenue, expanding the customer base for business, product reviews, and promotion, prediction and prevention of diseases, prediction of climatic variations and provision of energy solutions. The objective of this special issue is to call for high-quality papers covering the latest data analytic concepts and technologies of big data and artificial intelligence. This special issue serves as a forum for researchers across the globe to discuss their works and recent advances in this field. The best papers from Artificial intelligence and Big Data Analytics (BAM) in the domains of Product, Finance, Health, and Environment are invited, peer-reviewed. The best high-quality papers will be selected based on the innovativeness and relevance of the theme.

Researchers are encouraged to submit original research contributions in all major areas, which include, but are not limited to:

Topics

- Big Data Analytics
- Reinforcement Learning
- Mathematical and Statistical Foundations of Big Data Analytics
- Innovations in Artificial Intelligence and their Applications for Information Filtering
- Advances in Artificial Learning and their Applications for Information Security
- Big Data Analytics for Detection and Prediction
- Deep Learning on Academic data and prediction
- Recurrent Neural Networks Functional safety related software and system design

Submission Deadlines

31.01.2022 Paper Submission

30.04.2022 Review of Papers and Distribution of Review Notes

30.07.2022 Refined Paper Submissions (in case of acceptance)

30.09.2022 Final Paper Acceptance Date

Special Issue publication date: **J.UCS publication schedule**

Submission and Evaluation Procedure

The Journal of Universal Computer Science is an excellent electronic journal that covers all fundamentals of computer science. J.UCS has been published monthly since 1995, making it one of the oldest electronic journals. Several issues and volume archival editions are available in print and may be obtained directly from J.UCS. It is rated Q2 in SCIMAGO, e.g., journal h-index 48, e.g., Thomson Reuters JCR Impact Factor: 1.408. For further information, see:

<https://lib.jucs.org/>

Only novel research articles that are not presently under review at another event or publication are accepted for review. Each manuscript will be evaluated (blindly) by at least three reviewers. Submitted papers have to be formatted according to JUCS authoring criteria and submitted online. Illustrations and tables must be included in the document. The guidelines for authors are available at:

<https://lib.jucs.org/about#Author-Guidelines>

Submission Link

Authors can submit their paper directly through the email id: iiita.ankit@gmail.com

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